REVOX

Re:source

Communicate Module

Server Version

Dominating Entertainment.
Revox of Switzerland.

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Communicate Module

The Communicate Module is a universal audio interface with a serial communication port, which can serve up to 4 zones independently with music in Multiroom operation.

The Communicate module with the *Server2* software is described in this manual.
Using this software, it can support the **M37** Music server as a 2 or 4 zone version as well as its predecessor, the **M57** as a 4 or 8 zone version.

Important for Multiroom
You will need to make a change in the **Remote** menu if you are using your Music server in Multiroom operation and want to have access to the music database from each Additional room.
You will find more information about this on page 23, in the Chapter, *Server basic settings*.

This Communicate Module enables you to manage you complete CD collection like the professionals in the radio studios. In a matter of seconds, you can access any album, any artist, any genre and any of your customised playlists.

The Communicate Module delegates your musical wishes to the Music server and keeps you constantly up-to-date both in the Main room and each Additional room in Multiroom operation.

Installation

The communicate module plug-in card has the most modern technology on it and should be handled with care.

Before you start to install the card, the **M51** must be switched off and the power plug must be removed from the power socket.

Any plug position can be selected for the Server card, with the exception of slot 7, which is reserved for the Decoder card respectively.

Loosen the two screws with the TORX screwdriver supplied and remove the slot blanking plate.

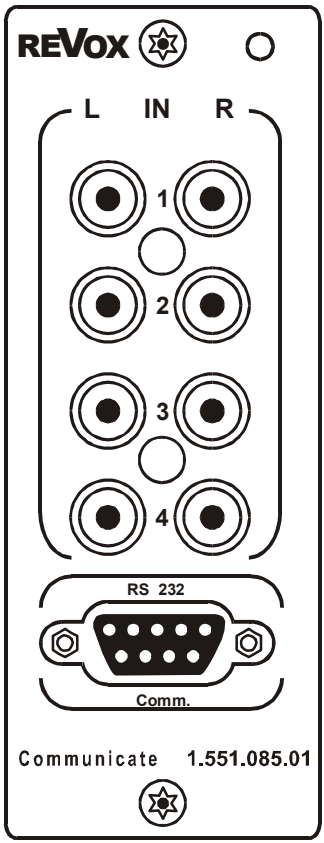
Before removing the communicate module from its packaging, make sure that you are not charged with any static electricity. This could cause a damaging power discharge when you touch the module.

To be on the safe side, you should discharge any static from yourself by touching an earthed metal object such as a radiator.

Remove the communicate module from its packaging and insert it into the slot position, using the two tracks within the **M51** to guide it into position. The lettering on the card must be at the top. Just before the card is fully inserted, you will feel a certain mechanical resistance as the card meets the **M51** contact strip. Push the card fully home by pushing in the area where the 2 screw holes are located and fix it in place with the two screws.

All further steps needed to integrate the new module into the **M51** will be carried out automatically next time the unit is switched on.

Connection



RS232 connection

The **RS232** communication interface is connected to the Music server with a 9-pin, 1:1, Sub-D cable in all Server configurations.

Audio connections

The Communicate Module is designed for a 4 zone Multiroom system and has therefore, 4 independent audio inputs, one for each zone.

IN 1 for Zone ①
IN 2 for Zone ②
IN 3 for Zone ③
IN 4 for Zone ④

In Multiroom operation, all 4 audio inputs have to be connected to the Music server with the M37 4 and/or M57 4-zone music servers.

With the M37 2-zone version, the first two audio inputs **IN 1** and **IN 2** have to be connected. You will find information about the corresponding cabling in the next chapter.

If, on the other hand, the **M51** is operated purely as a hi-fi system, i.e. without Multiroom usage with Additional rooms, it is enough just to connect **IN 1** with the **M37** Music server.

ⓘ
With a fixed installation however, Revox recommends assigning all 4 audio inputs as retrofitting cables can be time-consuming and expensive.

Cabling & Setup

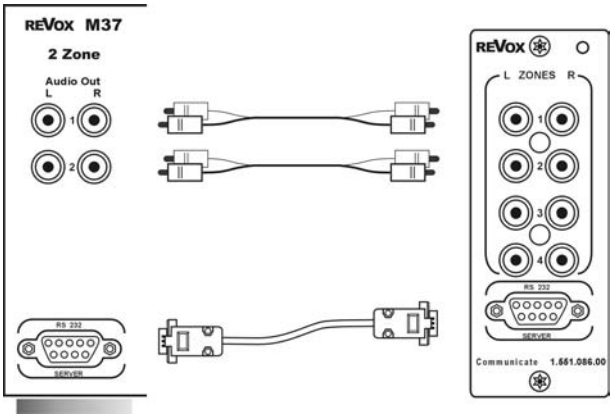
There is different cabling depending on which Music server is connected with the Communicate Module.

Important
Communication between Music server and Communicate Module only woks properly if the corresponding Music server has been selected in the Communicate Module **Setup**.

M37 2-Zone Music server

The 2-Zone **M37** Music server has 2 audio outputs, which are connected to the audio inputs **1** and **2** on the Communicate Module. Audio inputs 3 and 4 are not connected and remain unassigned.

The internal splitting of the music signal to the corresponding zones is done automatically through a high-quality audio matrix.



ⓘ
Zone 1 is connected with the **M51** through the source selection. Any source change at the **M51** also affects Zone 1 and vice-versa. You should take this into acccount with the zone assignment.

M37 2-Zone Music server

The Communicate Module supports two configurations of the 2-zone Music server.

2-Zone Server / Zone 12+34
With the **Zone 12+34** configuration, the (Additional room) zones 1 and 2 share audio output **1**, while zones 3 and 4 share audio output **2**. This means that zones 1+2 hear the same music and so do zones 3+4. Each zone has the same level of authorisation when it comes to selecting music.
Select the setting **Zone 12+34** as shown below in the Communicate Module **Setup**. The Setup menu is called by selecting the **Server** source and then pressing the **Setup** button on the front of the **M51** for about 2 seconds. After this, select the **Source** softkey.

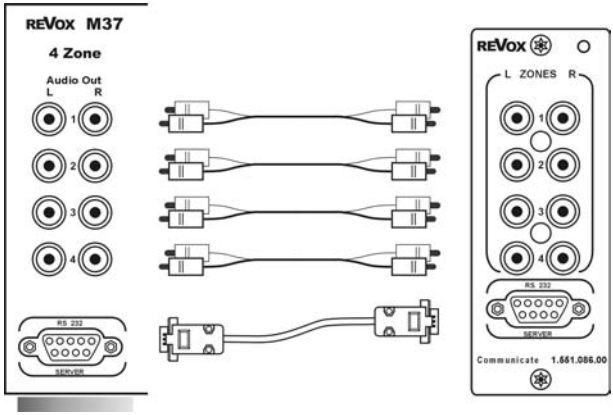
2-Zone Server / Zone 1+234
With the **Zone 1+234** configuration, the (Additional room) zone 1 is assigned exclusively to the audio output **1**, while zones 2, 3 and 4 share the audio output **2**.

No Multiroom operation
The setting **Zone 1+234** can also be selected if the **M51** is used purely as a hi-fi system, without Multiroom operation. In this case, you just connect the audio output **1** with the zone input **1**. The other audio connections are not used.

Select the setting **Zone 1+234** as shown below in the Communicate Module **Setup**.

4-zone Music server - M37-4 or M57-4

1. Connect the 4 audio cables 1:1 between the Music server and the Communicate Module.



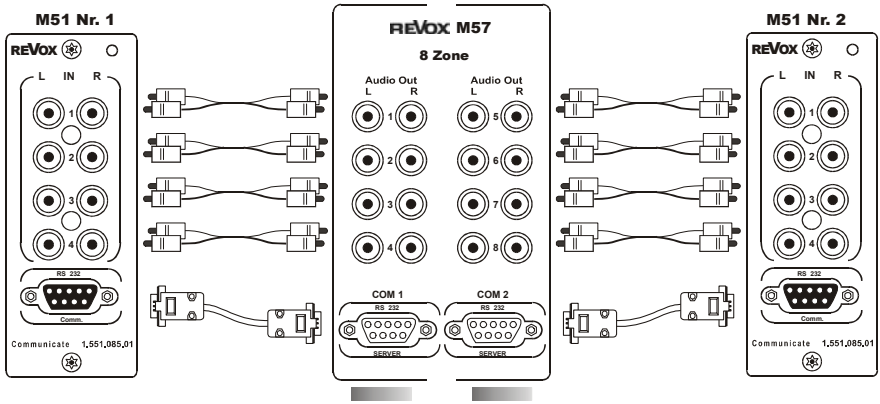
2. Select the setting **Zone 1..4** as shown below in the Communicate Module **Setup**. Each of the 4 zones can access the Music server independently of each other.

The Setup menu is called by selecting the **Server** source and then pressing the **Setup** button on the front of the **M51** for about 2 seconds. After this, select the **Source** softkey.

8-zone Music server M57-8

With bigger installations, the Revox Multiroom System can be equipped with an 8-zone M57 Music server. This 8-zone server combines two 4-zone servers in one device and can operate two **M51**s at the same time, independently of each other.

1. Each of the **M51**s is equipped with a Communicate Module. The first **M51** is connected to the audio outputs 1-4 and COM1; the second **M51** with audio outputs 5-8 and COM2.



2. Select the setting **Zone 1..4** for **M51 No. 1** and setting **Zone 5..8** for the **M51 No. 2** in the Communicate Module **Setup.**

The Setup menu is called by selecting the **Server** source and then pressing the **Setup** button on the front of the **M51** for about 2 seconds. After this, select the **Source** softkey.

M51 No. 1

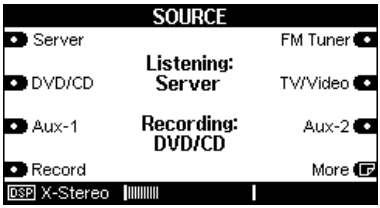
M51 No. 2

Server Menu

Server

Server is automatically displayed as the Communicate Module source with the installed Server2 software.

The server is called through the Source menu. Press the **Source** button on the **M51** for this. The following menu field appears:



The Music server is activated by pressing the **Server** softkey.

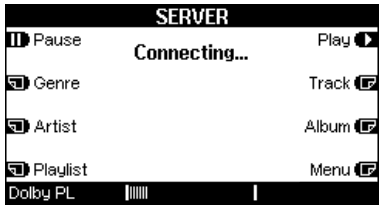
ⓘ
The five large buttons on the front of the **M51** are shown as

Setup **Source** **Amplifier** **Power** **Disc**

in the following chapters.

Server Operation

The first time you use the server function, the following display appears briefly after activating the **Server** from the **SOURCE** menu**:**



At this time, the communicate module attempts to set up a connection to the **M57/ M37**. This is shown through the text:

Connecting...

in the middle of the display.

If the text does not appear after a few seconds, there can be a number of reasons:

1. The music server is in standby mode or is completely switched off.
   ⇒ Switch the server on

2. The **RS232** communication cable from the **Server module** to the **M57/ M37** is interrupted somewhere.
   ⇒ Check the **RS232** connection

Music selection

The communicate module offers you 4 different search options when selecting music from the **M37**/ **M57** music server database. These options are:

- Artist
- Album
- Genre
- Playlist

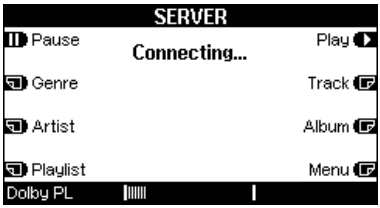
ⓘ
To avoid any confusion and to help you better understand the operation of this module, it should be stated at this stage that the communicate module accesses and plays the CDs stored in the music server.

It is **not** designed to be able to edit, sort or delete CDs from the **M37**/ **M57** database. All these functions are carried out directly at the music server.

Artist selection

Artist

Using the **Artist** menu option, you can search through the database for specific artists by name. This includes all the names of singers, bands, orchestras, ensembles, etc. Select the **artist** softkey from the following main menu display.



The display will now show the name of the last selection that was made. With the following example, it was ***Midnight Oil*** as shown by the small arrow head (►).

Manual selection

Page Select

With the manual selection, you can scroll through the contents to find the artist you are looking for.

To do this, you can use the ▼ **Page** ▲ softkeys to scroll to the previous or next page. Each page indicates the start of a new letter block of artist names. Once you have found the page with the name of the required artist on it, you can select the corresponding line with the ▼**Select**▲ softkeys.

Now you can select from various replay options, which are described in the **Replay options** section.

Alphabetic selection

ABC...

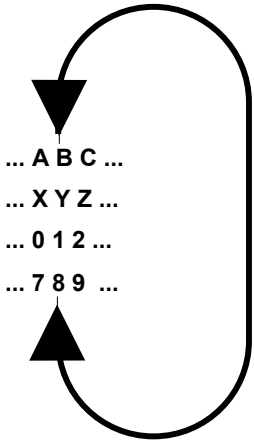
The alphabetic selection option allows you to make a targeted search, based on the artist's name. In this case, the first letter of the name will be used from the music server list, irrespective of whether that is the first name or the last name.

To start the alphabetic search, press the **ABC...** Softkey.

As well as showing the text **ARTIST**, the top line of the display also shows the letter currently being used for the listing.

The start letter is selected by turning the rotary knob. Firstly you scroll through the alphabet and then the numbers 0 – 9. By turning the knob in the opposite direction, this order is reversed.

Character sequence:



In the following example, the letter **G** has been selected. The communicate module now lists all the stored artists names, which start with the letter **G**. The first name in the list is shown with the (►).

In the following example, this was the singer ***Gary Moore***.

Please note

Whenever you can change a setting using the rotary control knob in the next sections, the area to be modified appears in the display between two square brackets **[...]**.

At the same time, the small red light next to the knob on the **M51** lights up.

The manual highlights this additionally in the individual sections, with the following symbol:

➪ **[ ]**

Now, using the ▼**Select**▲ softkeys, you select the desired artist and then decide whether to opt for a random replay with the **Shuffle** softkey or whether to select a specific album. Please refer to the **Replay options** section.

Replay options

Random replay

Shuffle

A random replay function is started with the **Shuffle** softkey. In this case, all tracks from the album are played in a random order.
If more than one album is stored for the artist selected, the selection is made from all albums.

Album replay

Album

The **Album** softkey shows the albums that are assigned to the selected artist. If there is more than one album available, you can select the corresponding album using the ▼**Select**▲ softkeys.

The following example shows three albums from Whitney Houston. Select the album you want with the ▼**Select**▲ softkeys and press the **Play** Softkey.

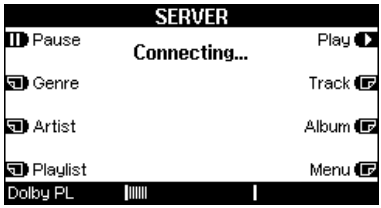
Album selection

Album

The **Album** selection enables you to search for a specific album within the music server database.

Here there are various options to find the album you are looking for.

To go to these options, press the **Album** softkey from the following menu.



Manual selection

Page Select

The manual selection option allows you to search for a specific album by simply scrolling through the contents of the database. In this case, the albums are shown in alphabetic order.

To do this, you can use the ▼ **Page** ▲ softkeys to scroll to the previous or next page. Each page indicates the start of a new letter block of album names. Once you have found the page with the name of the required album on it, you can select the corresponding line with the ▼**Select**▲ softkeys.

Now you can select from various replay options, which are described in the **Replay options** section.

Alphabetic selection

ABC...

The alphabetic selection option allows you to make a targeted search, based on the album's name. In this case, the first letter of the name from the music server list will be used as the search criterion.

To start the alphabetic search, press the **ABC...** softkey.

As well as showing the text **ALBUM**, the top line of the display also shows the letter currently being used for the listing.

The start letter is selected by turning the rotary knob.

⇨ **[ ]**

In the following example, the letter **B** has been selected. The communicate module now lists all the stored albums, which start with the letter **B**. The first name in the list is shown with the (►).

In the following example, this was the album ***Bad*** from Michael Jackson.

Select the album you want with the ▼**Select**▲ softkeys (in this case ***Brothers In Arms*** and press the **Play** Softkey.

Please also refer to the **Replay options** section.

Selection not available?

If you select a letter for your search for which no album or artist is stored, the following display appears:

This means that no entries were found in the Music server which match the selection criterion.

Possible causes for this are:

- The artist or album was stored with the first name or the last name.
- The artist or album has an article or no article in the name.
- The automatic CD recognition from the Internet didn't work correctly and the artist or album was stored with a default name.

In this case, you should check the contents of your music server database with the **Page** and **Select** softkeys.

⇨

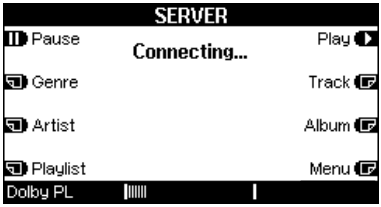
Genre selection

Genre

As well as storing the CD in the **M37**/ **M57** database by the name of the artist and the album, it is also stored according to the type of music on the CD, the so called music genre.

Through this genre assignment, you now have the option to search according to a particular music type, such as *Rock* or *Classical*...

Genre selection is made using the **Genre** softkey in the main menu.



Select Genre

Page Select

To select a genre, you simply scroll backwards or forwards through the genre index, where the index is listed in alpha-betical order as shown below:

To do this, you can use the ▼ **Page** ▲ softkeys to scroll to the previous or next page. Once you have found the page with the name of the required album on it, you can select the corres-ponding line with the ▼**Select**▲ softkeys, e.g. the *Rock* genre as shown below:

Now you can select from various replay options.

Shuffle mode

Shuffle

A random replay function is started with the **Shuffle** softkey. In this case, all tracks all albums from the selected genre are played in a random order.

Play mode

Play

If you want to select a specific album from the specified genre, just press the **Album** softkey.

Now, all albums are displayed in alphabetical order and you can select your preferred album with the ▼ **Page** ▲ und ▼**Select**▲ softkeys.

The selected album is started with the **Play** softkey.

You will find further information about play control, in the **Playback functions** section.

Playlist selection

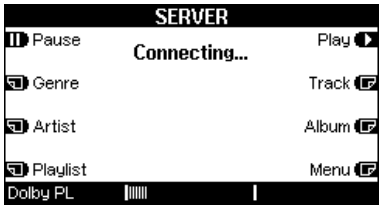
Playlist

The **Playlist** selection allows you to choose between self-created playlists. The advantage of a playlist is that you can combine music together to match a particular occasion or to create a particular mood. You can then select the one that meets your current requirements.

A playlist contains tracks or complete albums selected by you, the user. You can also decide on the order they should be played in unlike other selections, which sort the content in alphabetical order.

These playlists are created either directly at the PC with the **XIVA Producer** edit program or simply through the music server itself.

The playlist selection functions are accessed through the **Playlist** softkey in the main menu.



Select playlist

Page Select

After pressing the **Playlist** softkey, all user-defined playlists are displayed in alphabetical order, e.g.:

The above display shows 5 examples of playlists, entitled: *Blues my favourites, Bon Jovi my favourites, Children, Party, Romantic*

If you have created more than 9 playlists, you can scroll forwards or backwards with the ▼ **Page** ▲ softkeys.
Once you have found the page with the name of the required album on it, you can select the corresponding line with the ▼**Select**▲ softkeys, e.g. the *Party* playlist as shown below:

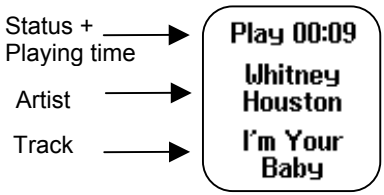
Press **Play** to listen to your playlist.

Playback functions

Once you have selected an album, various playback functions are available to you, similar to those with a CD.

When you start playback with the **Start** softkey, the following display appears:

The following information is shown in the centre of the display:



Start playback
Play

Playback is started with the **Play** softkey.

Pause playback
Pause

If you want to pause the replay for a short time, simple press the **Pause** softkey. To cancel the pause and restart the playback from the same position, press the **Play** softkey.

Defined track selection

Track

On the first menu page, you will find the function **Track**, as well as the Play and Pause functions. This function enables you to jump to a specified track within the album.

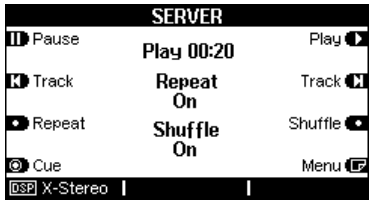
Once you have pressed the **Track** softkey, a display opens up where all the tracks from the album are listed.

Using the ▼**Select**▲ softkeys you can choose the desired track and by pressing **Start** you can play it.

Track scroll selection

Track Track

The second page also includes a **Play** and **Pause** function.

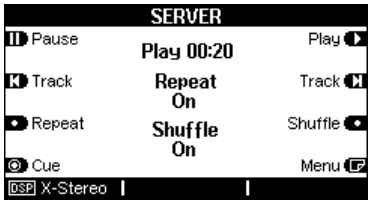


Additionally, the two **Track** softkeys enable you to scroll backwards or forwards to the previous and next tracks.

Repeat

Repeat

Press the **Repeat** softkey, if a selected album should be repeated permanently. This is particularly useful during a party or a function where you can play music from Playlists, for example, for hours at a stretch, without any manual intervention.



You can use the **Repeat** softkey to toggle the Repeat function **ON** and **OFF**.

Shuffle

Shuffle

You can activate the random playing order function with the **Shuffle** softkey.
If this function is deactivated **(OFF**), you can't play the tracks in a random order, irrespective of your music choice, in terms of Album, Genre, etc.

You can use the **Shuffle** softkey to toggle the random play order function **ON** and **OFF**.

⇨

Cue

Cue

The **Cue** softkey offers you the chance to move to a particular timepoint within a track. When you press **Cue**, the playing time appears in square brackets.

➪ **[ ]**

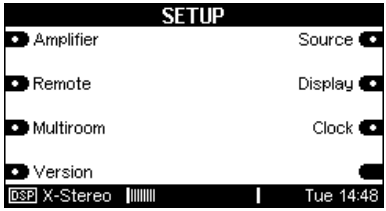
Now, using the rotary knob, you can select the required timepoint, where the playback continues to follow the defined time.

Once you have found the required position, pressing the **Cue** or **Play** softkey returns you to normal playback mode and the square brackets disappear.

Server basic settings

If you want to operate the Music server in a Multiroom system, you must make the correct Server assignment in the **Remote** menu.

To do this, press the **Setup**-key on the **M51** for approx. 2 seconds until the following display appears.



Press the **Remote** softkey to get to the Remote menu:

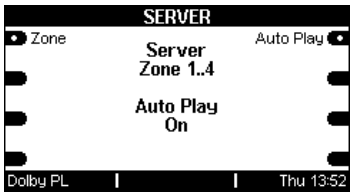
Select the setting shown above, **Aux1** → **Server** and confirm your input with the **Store** softkey.

You will find further information about the ***Remote menu*** in the Chapter *Introduction* in your **M51** Operating instructions.

Communicate Setup

Setup offers you the option to configure the Communicate Module individually.

The Setup function is called by selecting the **Server** source and then pressing the **Setup** button on the front of the **M51** for about 2 seconds. After this, select the **Source** softkey.



Zone assignment
Zone

The audio outputs of the (Additional room) zones are assigned through the Zone assignment. In Multiroom operation, this assignment defines whether a zone has its own access to the Music server or whether several zones have joint access.

You assign which zones the Communicate Module should serve with the **Zone** softkey.

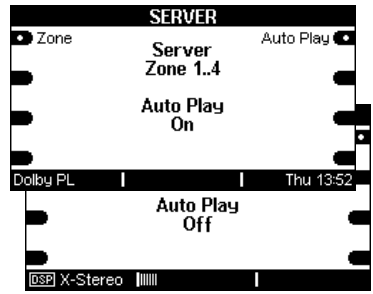
You will find an exact description of the cabling and the Setup settings on pages 4-8.

Auto Play function
Auto Play

Through the Auto Play function, you can select whether the Server should start playing immediately if it is selected from the source menu [**Autoplay On**] or only once there has been an explicit start command [**Autoplay Off**].

You make your selection through the **Auto Play** softkey. By repeated pressing of the key, you can toggle between **On** and **Off**.

Activating the **Auto Play** function in Multiroom operation is particularly advantageous, as you can start the server playing with a *single* key press on a wall-mounted remote control.



Technical data

Audio connections:

Zone 1 / Main room	IN 1	Cinch Stereo input
Zone 2	IN 2	Cinch Stereo input
Zone 3	IN 3	Cinch Stereo input
Zone 4	IN 4	Cinch Stereo input
Max. cable length		10 m *

Digital data connections

RS232	SUB-D 9-pin, 1:1 cable

*dependant on cable quality and environment

Errors excepted
Product subject to modification
Description : Version 0.72

Guarantee

The guarantee period is 24 months from the date of purchase.

Your dealer should be your first contact if you need service.

If he can't give you the help you need, send the communicate module carriage free and without any accessories to your national Sales Office.

Please supply a complete description of the problem and a full return postal address.